

# EMCEPREN 80 IGS

Thermoplastic  
Insulating Glass Sealant

## Product Properties and Applications

- One-component, solvent free thermoplastic insulating glass sealant based on polyisobutylene which does not harden.
- Exposure to heat results in significant softening.
- The maximum final strength is only achieved after processing on a press. This results in physical adhesion.
- Very tight to water vapour, Argon and Krypton.
- EMCEPREN 80 IGS is used with all common spacer systems, especially in combination with "warm edge" spacer systems.
- EMCEPREN 80 IGS can easily be applied with suitable polyisobutylene extruders from leading machine manufacturers without sticking to the retainer unit of the machine.
- EMCEPREN 80 IGS is used as a primary sealant in combination with a secondary sealant such as EMCEPREN 200 or other sealants used in the manufacturing of insulated glass sealant.

## Application Notes

### Safety Advice

- Prior to application the safety data sheet must be read, to become familiar with and all instructions must be adhered to.
- EMCEPREN 80 IGS is not classified as a dangerous good, however, the normal safety measures for handling chemical goods must be observed.
- During the application of insulated glass units only sealants which do not contain solvents or plasticisers may be used. If these are in direct contact with the outer seal the compatibility must be checked. This also applies to paint or varnish coatings and all materials which may be in contact with the outer seal.

### Application

- Application between 120°C - 140°C with extruder.
- EMCEPREN 80 IGS is applied to the spacer bar. The required output is regulated on the extruder by varying pressure and temperature. The precise settings must be determined in tests prior to application.
- All surfaces must be clean, dry and free of grease.
- Condensation affects the adhesion. Spacer bars must be stored under the same climatic conditions that prevail in the production area.

## Technical Properties EMCEPREN 80 IGS

Density	ca. 1,15 g/cm <sup>3</sup>
Colour	Black
Odour	Odourless
Consistency	Permanent plastic
Safety	See safety data sheet

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## Product Details EMCEPREN 80 IGS

Packaging	7kg, 200kg
Storage	3 years in original packaging
Frost damage	None. Material must be stored at application conditions prior to use to avoid condensation.
Recommended Storage Temperature	+10°C - +30°C

### Please observe:

The information given on this data sheet is based on our experience, careful laboratory tests and to the best of our knowledge. It is however non-binding. Due to the many varied types of application, local conditions and manufacturing processes, we do not accept any liability, also with regard to the protected rights of third parties.

Our data refers to the accepted rules and norms which have to be observed during application. This provided we are liable within the scope of our terms and conditions of sale, delivery and service. Recommendations of our employees which differ from the data contained in this sheet are only binding if confirmed in writing. We recommend to verify the suitability of the product through suitable test. Our terms and conditions apply.

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This technical data sheet replaces all previous editions.

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